Author Index of Volume 174

Airoldi, C., 103
ap Kendrick, D., 109
Arriortua, M. I., 263
Avendano, C., 169

Baker, P. K., 119
Baldacchini, C. J., 17
Batchelor, R., 193
Bermúdez, M. D., 53
Bertani, R., 61
Bertoncello, K., 57
Blum, O., 149
Boatner, L., 155
Boricha, A. B., 175
Braga, D., 185
Bremer, B., 27
Buckingham, D. A., 193
Busnot, A., 145

Calabrese, J. C., 149
Cecchetto, W., 61
Choi, G., 249
Choi, S.-C., 249
Churchill, M. R., 197
Clark, C. R., 193
Corain, B., 3
Cortes, A. R., 263
Criado, J. J., 67
Crociani, B., 61
Cros, G., 33
Culbert, S., 193

Darbieu, M.-H., 33
de Martin, S., 9
De Oliveira, S. F., 103
Dowd, P., 249
Duisenberg, A. J. M., 77
Elguero, J., 169
El-Sayrafi, O., 165
Endo, A., 41
Eve, D. J., 205

Fallon, G. D., 57
Farooq, A., 13
Fedin, V. P., 275
Fedorov, V. Ye., 275
Fernandez, I., 67
Florencio, F., 169
Font-Bardia, M., 263
Frolow, F., 149

Gardette, F., 145
Gleizes, A., 33
González Pérez, J. M., 145
Goodgame, M., 245
Gott, G. A., 165
Groh, S. E., 17

Haasnoot, J. G., 77
Hage, R., 77
Handa, M., 153, 161
Hodali, H. A., 223
Hohmann, H., 87
Hoshino, Y., 41
Hsieh, A. K., 21
Hu, G. Z., 21
Huang, S. H., 21
Hussain, I., 245

Isa, K., 153

Jacobson, R. R., 13
Janik, T. S., 197
Jensen, C. M., 209
Ji, L. N., 21
Johnson, B. F. G., 185

Karlin, K. D., 13
Kasuga, K., 153, 161
Kauffman, G. B., 237, 257
Kelly, D. G., 165
Khan, N. H., 175
Kimura, M., 231
Kocaba, T. O., 143
Kochi, J. K., 93
Koh, L. L., 21
Kolesov, B. A., 275
Kureshy, R. I., 175
Kyuno, E., 109

Laurent, J.-P., 33
Lawson, H. J., 197
Lechat, J. R., 103
Lezam, L., 263
Liu, M., 21

Macias, B., 67
MacRory, P. P., 165
Marques, H. M., 271
Maruyama, T., 41
McAuliffe, C. A., 165
Medarde, M., 67
Messori, L., 137
Mestroni, G., 9
Michelin, R. A., 3
Mihara, T., 153
Milstein, D., 149
Mironov, Yu. V., 275
Morisada, M., 161
Mozzon, M., 3
Mullica, D. F., 129, 155
Murray, K. S., 57

Nguyen-Huy Dung, 145
Niclós Gutiérrez, J., 145
Nishida, Y., 1
Nishikori, K., 153
Nishino, H., 93
Niven, M. L., 205

Padilla, E. M., 209
Paya, J., 53
Piazzi, O., 3
Piccioli, M., 137
Pinkerton, A. A., 27
Polloni, R., 61

Ramos, M. T., 169
Ray, R. K., 237, 257
Reedijk, J., 77
Rheingold, A. L., 17
Riggs, P. J., 17
Rodger, A., 185
Rogers, A. J., 193
Rojo, T., 263
Ruggiero, S. G., 103
Ryan, E. M., 77

Salas, J. M., 67
Saleem, A. M., 223
Sánchez-Santano, M. J., 53
Sanyal, I., 13
Sanz-Aparicio, J., 169
Sappenfield, E. L., 129, 155
Sarson, L., 193
Sato, G. P., 41
Seraglia, R., 61
Shaikh, S. N., 13
Shepherd, R. E., 249
Shimizu, K., 41
Sogabe, K., 153, 161
Sokolov, M. N., 275
Solans, X., 263
Spek, A. L., 77
Stochel, G., 217
Struchkov, Yu. T., 275

Takeuchi, K. J., 197
Taqui Khan, M. M., 175
Tiekink, E. R. T., 143
Tippin, D. B., 129
Traldi, P., 61

Uemori, Y., 109

van Eldik, R., 87, 217
Vicente, J., 53
Viossat, B., 145
Vos, J. G., 77

Walmsley, J. A., 27
Wang, R., 77
Wilk, B., 249

Yamada, K., 1
Yamamoto, J. H., 209
Yamazaki-Nishida, S., 231
Young, C. G., 143
Yufit, D. S., 275
Yukawa, Y., 41

Zanotti, G., 3
Zassinovich, G., 9
Zecca, M., 3
Zhang, S., 249
Zhou, Z. Y., 21
Zubieta, J., 13

Elsevier Sequoia/Printed in Switzerland

Subject Index of Volume 174

Acetamide complexes
  ESR study of Mn(II) ions in complexes of diacetamide, 245
Alkoxo complexes
  model for possible 'endogenous' bridge in oxy-hemocyanin; di-μ-$(OR)_2$-bridged dicopper(II) complex (R = H, alkyl) with low-energy charge-transfer absorption, 13
Alkyl complexes
  synthesis and solution behavior of some bis[2-{(dimethylamino)methyl}phenyl]Au(III) complexes, 53
Alkylhydroperoxide complexes
  origin of high reactivity of alkylhydroperoxides in several V(V) compounds, 1
Amido complexes
  complexing ability of new type of bis-amidato ligand; crystal structure of *N,N'*-bis(1-methyl-3-oxo-1-butenyl)oxamidato Cu(II) (CuL); spectroscopic and magnetic properties and redox behaviour of CuL and related Ni(II), Co(II) and Co(III) complexes, 33
Ammine complexes
  alkaline hydrolysis of some phosphato pentaammine Co(III) complexes, 193
Aqua complexes
  synthesis of aqua *trans*-diphosphine complex of Ru; crystal structure of *trans*$[Ru(H_2O)(PEt_3)_2(trpy)](ClO_4)_2 \cdot 3H_2O$, 197
Aquo complexes
  crystal structure of $[Ni(H_2O)_6][C_6H_5SO_3]_2$; comparison of hexaaqua divalent layered ions, 17
  rate and equilibrium data for substitution reactions of diaqua(ethylenediamine)Pd(II) with chloride in aqueous solution, 87
Aryl complexes
  synthesis and solution behavior of some bis[2-{(dimethylamino)methyl}phenyl]Au(III) complexes, 53

Bidentate ligand complexes
  adducts of Cd diethyldithiocarbamate with bidentate nitrogen ligands, 103
  $[Cu(C_{13}H_{30}P_2O_6)_2][Cu_2Cl_6]$; unusual chloro-bridged linear polymer, 27
  EPR study
    of some Cu(II) coordination compounds of substituted biguanides, 257
    of Cu(II)-substituted biguanide complexes, 237
  isolation of Pd(II) quinoline-2-thione (HqnS) and quinoline-2-thiolate (qnS) complexes; crystal structure of $Pd(HqnS)(PMe_3)Cl_2$, $[Pd(HqnS)_2(PMe_3)Cl][Cl]$ and *vic*-$Pd_2(\mu,N\text{-}S\eta^2\text{-}qnS)_2(\eta^1\text{-}qnS)_2(PMe_3)_2$, 209
  kinetics of oxidation reaction of arsenious acid by peroxodisulfate ion, induced by irradiation with visible light of aqueous solutions containing tris(2,2'-bipyridine)Ru(II) ion, 231
  novel chelates of Pd(II) dithiocarbamates; spectroscopic studies and thermal behaviour, 67
  preparation, characterization and electrochemical properties of mixed-ligand Ru(III) and Ru(II) complex with two kinds of β-diketones, 41
  rate and equilibrium data for substitution reactions of diaqua(ethylenediamine)Pd(II) with chloride in aqueous solution, 87
  syntheses, characterization and reactions of some methyl derivatives of Pt(II), 223
  synthesis, spectroscopic and electrochemical properties and X-ray studies of bis(2,2'-bipyridyl)(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole-Ru(II) hexafluorphosphate, 77
  synthesis and structural study of dichloro di-2-benzothiazolylphenylmethanol Zn(II), 169

Cadmium complexes
  adducts of Cd diethyldithiocarbamate with bidentate nitrogen ligands, 103
  crystal structure of two nitroprussides; $Mn[Fe(CN)_5NO] \cdot H_2O$ and $Cd[Fe(CN)_5NO] \cdot 3H_2O$, 129
Carbene complexes
  Pd(II) cyclic carbene complexes from 3-isocyanopropylacrylate; X-ray structure of *cis*-$\{PdCl_2(PPh_3)[\overline{C-N(H)-(CH_2)_2-N}-(CH_2)_3-O-C(O)-CH=CH_2]\}$, 3
Carbonylation
  oxygenation and carbonylation studies of some Ru(III) Schiff base complexes containing nitrogen and oxygen as donor atoms, 175
Catalysis
  Ir(I) complexes with chiral terdentate NNN donor ligands; very effective and selective catalysts in hydrogen transfer reactions, 9
Chalcogenide complexes
  synthesis, structure, vibrational spectra and chemical properties of triangular Mo and W complexes $M_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3X_6^{2-}$ (M = Mo, W; X = Cl, Br), 275
Chelate complexes
  adducts of Cd diethyldithiocarbamate with bidentate nitrogen ligands, 103
  EPR study
    of some Cu(II) coordination compounds of substituted biguanides, 257
    of Cu(II)-substituted biguanide complexes, 237
  kinetics of oxidation reaction of arsenious acid by peroxodisulfate ion, induced by irradiation with visible light of aqueous solutions containing tris(2,2'-bipyridine)Ru(II) ion, 231
  novel chelates of Pd(II) dithiocarbamates; spectroscopic studies and thermal behaviour, 67
  preparation, characterization and electrochemical properties of mixed-ligand Ru(III) and Ru(II) complexes with two kinds of β-diketones, 41

Elsevier Sequoia/Printed in Switzerland

syntheses, characterization and reactions of some methyl derivatives of Pt(II), 223
synthesis
of aqua *trans*-diphosphine complex of Ru; crystal structure of *trans*-[$Ru(H_2O)(PEt_3)_2(trpy)$]-$(ClO_4)_2 \cdot 3H_2O$, 197
spectroscopic and electrochemical properties and X-ray studies of bis(2,2′-bipyridyl)(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole-Ru(II) hexafluorphosphate, 77
and structural study of dichloro di-2-benzothiazolylphenylmethanol Zn(II), 169
and structure of tetradentate amido-phenolate Mn(III) complexes; precursors of high-valent Mn chelate complexes, 57
Chromium complexes
unusually stable Cr(V) perfluoropinacolate complexes, 93
Cluster complexes
ligand–ligand interaction model for structures of transition metal clusters, 185
synthesis, structure, vibrational spectra and chemical properties of triangular Mo and W complexes $M_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3X_6^{2-}$ (M = Mo, W; X = Cl, Br), 275
Cobalamin complexes
one-electron reduction potentials of coenzyme B_{12} and alkylcobalamins, 249
proximal charge effects on coordination of histamine by aquocyanocobinamide, 271
Cobalt complexes
alkaline hydrolysis of some phosphato pentaammine Co(III) complexes, 193
Co(II) as probe of metal binding sites of transferrins, 137
one-electron reduction potentials of coenzyme B_{12} and alkylcobalamins, 249
proton NMR study of Co(II) and Zn(II) 'jellyfish' type porphyrins, 109
Copper complexes
additional contribution to study of iminodiacetate (IDA) and imidazole (ImH) mixed-ligand Cu(II) complexes; crystal structure of $[Cu(IDA)(ImH)(CH_3OH)] \cdot 0.37H_2O$, 145
complexing ability of new type of bis-amidato ligand; crystal structure of *N,N′*-bis(1-methyl-3-oxo-1-butenyl)oxamidato Cu(II) (CuL); spectroscopic and magnetic properties and redox behaviour of CuL and related Ni(II), Co(II) and Co(III) complexes, 33
$[Cu(C_{13}H_{30}P_2O_6)_2][Cu_2Cl_6]$; unusual chloro-bridged linear polymer, 27
EPR study
of some Cu(II) coordination compounds of substituted biguanides, 257
of Cu(II)-substituted biguanide complexes, 237
model for possible 'endogenous' bridge in oxy-hemocyanin; di-μ-$(OR)_2$-bridged dicopper(II) complex (R = H, alkyl) with low-energy charge-transfer absorption, 13
Crystal structure(s)
of adducts of Cd diethyldithiocarbamate with bidentate nitrogen ligands, 103
of bis(2,2′-bipyridyl)(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole)-Ru(II) hexafluorphosphate, 77
of *N,N′*-bis(1-methyl-3-oxo-1-butenyl)oxamidato Cu(II), 33
of chloro *meso*-tetra(3,4,5-trimethoxyphenyl)porphyrinato Fe(III), 21
of Cr(V) perfluoropinacolate complexe, 93
of $[Cu(C_{13}H_{30}P_2O_6)_2][Cu_2Cl_6]$, 27
of $[Cu(IDA)(ImH)(CH_3OH)] \cdot 0.37H_2O$, 145
of dichloro di-2-benzothiazolylphenylmethanol Zn(II), 169
di-μ-$(OR)_2$-bridged dicopper(II) complex (R = H, alkyl), 13
of K aquatrioxalatotitanate(III) tetrahydrate, 205
of mixed lanthanide orthophosphates, 155
of $Mn[Fe(CN)_5NO] \cdot 3H_2O$ and $Cd[Fe(CN)_5NO] \cdot 3H_2O$, 129
of $[Mo_2(\mu\text{-}S_2)_2(S_2CNEt_2)_4](BF_4)_2 \cdot 2CHBr_3$, 143
of $M_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3X_6^{2-}$ (M = Mo, W; X = Cl, Br), 275
of $[Ni(H_2O)_6][C_6H_5SO_3]_2$, 17
of $[Ni(terpy)(N_3)_2]_2 \cdot 2H_2O$, 263
of *cis*{$PdCl_2(PPh_3)[\overline{C-N(H)-(CH_2)_2-N}-(CH_2)_3-O-C(O)-CH=CH_2]$}, 3
of $Pd(HqnS)(PMe_3)Cl_2$, $[Pd(HqnS)_2(PMe_3)Cl][Cl]$ and *vic*-$Pd_2(\mu,N\text{-}S\eta^2\text{-}qnS)_2(\eta^1\text{-}qnS)_2(PMe_3)_2$, 209
of $Rh(PMe_3)_4{}^+BPh_4{}^-$ and $Ir(PMe_3)_4{}^+PF_6{}^-$, 149
of *trans*-$[Ru(H_2O)(PEt_3)_2(trpy)](ClO_4)_2 \cdot 3H_2O$, 197
of tetradentate amido-phenolate Mn(III) complexes, 57
Cyanide complexes
spectrophotometric study of interaction of pentacyanoferrate(II/III) complexes with nucleic bases, nucleosides and 5′-mononucleotides, 217

Dinuclear complexes
crystal structure and magnetic properties of $[Ni(terpy)(N_3)_2] \cdot 2H_2O$, Ni(II) dinuclear complex with ferromagnetic interaction, 263
synthesis and X-ray structural characterization of novel Mo(V) diethyldithiocarbamate complex $[Mo_2(\mu\text{-}S_2)_2(S_2CNEt_2)_4](BF_4)_2 \cdot 2CHBr_3$, 143
Dithiocarbamato complexes
synthesis and X-ray structural characterization of novel Mo(V) diethyldithiocarbamate complex $[Mo_2(\mu\text{-}S_2)_2(S_2CNEt_2)_4](BF_4)_2 \cdot 2CHBr_3$, 143

Electrochemistry
one-electron reduction potentials of coenzyme B_{12} and alkylcobalamins, 249
preparation, characterization and electrochemical properties of mixed-ligand Ru(III) and Ru(II) complexes with two kinds of β-ketones, 41
synthesis, spectroscopic and electrochemical properties and X-ray studies of bis(2,2′-pyridyl)(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole-Ru(II) hexafluorphosphate, 77
ESR
ESR study of Mn(II) ions in complexes of diacetamide, 245
EPR spectroscopy
EPR study
of some Cu(II) coordination compounds of substituted biguanides, 257

of Cu(II)-substituted biguanide complexes, 237

Gold complexes
synthesis and solution behavior of some bis[2-{(dimethylamino)methyl}phenyl]Au(III) complexes, 53

Heterocycle complexes
comparison of hard vaporization and soft ionization techniques in mass spectrometry of some Pd(II) and Pt(II) complexes with C-bonded heterocyclic ligands, 61
Hydrogenation
Ir(I) complexes with chiral terdentate NNN donor ligands; very effective and selective catalysts in hydrogen transfer reactions, 9
Hydrolysis
alkaline hydrolysis of some phosphato pentaammine Co(III) complexes, 193
Hydroxo complexes
model for possible 'endogenous' bridge in oxy-hemocyanin; di-μ-$(OR)_2$-bridged dicopper(II) complex (R = H, alkyl) with low-energy charge-transfer absorption, 13

Imidazole complexes
additional contribution to study of iminodiacetate (IDA) and imidazole (ImH) mixed-ligand Cu(II) complexes; crystal structure of $[Cu(IDA)(ImH)(CH_3OH)]\cdot 0.37H_2O$, 145
Iridium complexes
Ir(I) complexes with chiral terdentate NNN donor ligands; very effective and selective catalysts in hydrogen transfer reactions, 9
is $Rh(PMe_3)_3^+$ formed upon anion exchange of $Rh(PMe_3)_4^+Cl^-$?; crystal and molecular structure of $Rh(PMe_3)_4^+BPh_4^-$ and $Ir(PMe_3)_4^+PF_6^-$, 149
Iron complexes
molecular structure of chloro *meso*-tetra(3,4,5-trimethoxyphenyl)porphyrinato Fe(III) – model compound of cytochrome P-450 active site, 21
proximal charge effects on coordination of histamine by aquocyanocobinamide, 271
spectrophotometric study of interaction of pentacyanoferrate(II/III) complexes with nucleic bases, nucleosides and 5′-mononucleotides, 217

Kinetics and mechanism
alkaline hydrolysis of some phosphato pentaammine Co(III) complexes, 193
kinetics of oxidation reaction of arsenious acid by peroxodisulfate ion, induced by irradiation with visible light of aqueous solutions containing tris(2,2′-bipyridine)Ru(II) ion, 231
proximal charge effects on coordination of histamine by aquocyanocobinamide, 271
rate and equilibrium data for substitution reactions of diaqua(ethylenediamine)Pd(II) with chloride in aqueous solution, 87
spectrophotometric detection of sulfur dioxide; study of solution equilibria of reaction of sulfur dioxide with Mn(II) complexes, 165

Lanthanide complexes
structural investigation of several mixed lanthanide orthophosphates, 155

Magnetism
crystal structure and magnetic properties of $[Ni(terpy)(N_3)_2]_2\cdot 2H_2O$, Ni(II) dinuclear complex with ferromagnetic interaction, 263
Manganese complexes
crystal structure of two nitroprussides; $Mn[Fe(CN)_5NO]\cdot 3H_2O$ and $Cd[Fe(CN)_5NO]\cdot 3H_2O$, 129
ESR study of Mn(II) ions in complexes of diacetamide, 245
spectrophotometric detection of sulfur dioxide; study of solution equilibria of reaction of sulfur dioxide with Mn(II) complexes, 165
synthesis and structure of tetradentate amido-phenolate Mn(III) complexes; precursors for high-valent Mn chelate complexes, 57
Mass spectrometry
comparison of hard vaporization and soft ionization techniques in mass spectrometry of some Pd(II) and Pt(II) complexes with C-bonded heterocyclic ligands, 61
Metal complexes
conductivity of reduced metallo-tetra-*N*-methyl-2,3-pyridinoporphyrazine complexes, 161
ligand–ligand interaction model for structures of transition metal clusters, 185
Molybdenum complexes
synthesis, structure, vibrational spectra and chemical properties of triangular Mo and W complexes $M_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3X_6^{2-}$ (M = Mo, W; X = Cl, Br), 275
synthesis and X-ray structural characterization of novel Mo(V) diethyldithiocarbamate complex $[Mo_2(\mu\text{-}S_2)_2(S_2CNEt_2)_4](BF_4)_2\cdot 2CHBr_3$, 143
triphenylphosphineoxide and triphenylphosphinesulfide seven-coordinate complexes of Mo(II) and W(II), 119

Nickel complexes
crystal structure
and magnetic properties of $[Ni(terpy)(N_3)_2]_2\cdot 2H_2O$, Ni(II) dinuclear complex with ferromagnetic interaction, 263
of $[Ni(H_2O)_6][C_6H_5SO_3]_2$; comparison of hexaaqua divalent layered ions, 17
Nitroprusside complexes
crystal structure of two nitroprussides; $Mn[Fe(CN)_5NO]\cdot 3H_2O$ and $Cd[Fe(CN)_5NO]\cdot 3H_2O$, 129
Nucleic base complexes
spectrophotometric study of interaction of pentacyanoferrate(II/III) complexes with nucleic bases, nucleosides and 5′-mononucleotides, 217
Nucleoside complexes
spectrophotometric study of interaction of pentacyanoferrate(II/III) complexes with nucleic bases, nucleosides and 5′-mononucleotides, 217

Orthophosphate complexes
structural investigation of several mixed lanthanide orthophosphates, 155
Oxolato complexes
tris(oxalato) Ti(II) complex; preparation and structure of K aquatrioxalatotitanate(III) tetrahydrate, 205
Oxidation
kinetics of oxidation reaction of arsenious acid by peroxodisulfate ion, induced by irradiation with visible light of aqueous solutions containing tris(2,2′-bipyridine)Ru(II) ion, 231
origin of high reactivity of alkylhydroperoxides in several V(V) compounds, 1
Oxo complexes
unusually stable Cr(V) perfluoropinacolate complexes, 93
Oxygenation
and carbonylation studies of some Ru(III) Schiff base complexes containing nitrogen and oxygen as donor atoms, 175

Palladium complexes
comparison of hard vaporization and soft ionization techniques in mass spectrometry of some Pd(II) and Pt(II) complexes with C-bonded heterocyclic ligands, 61
isolation of Pd(II) quinoline-2-thione (HqnS) and quinoline-2-thiolate (qnS) complexes; crystal structure of $Pd(HqnS)(PMe_3)Cl_2$, $[Pd(HqnS)_2(PMe_3)Cl][Cl]$ and *vic*-$Pd_2(\mu,N\text{-}S\eta^2\text{-}qnS)_2(\eta^1\text{-}qnS)_2(PMe_3)_2$, 209
novel chelates of Pd(II) dithiocarbamates; spectroscopic studies and thermal behaviour, 67
Pd(II) cyclic carbene complexes from 3-isocyanopropylacrylate; X-ray structure of *cis*-{$PdCl_2(PPh_3)$-[$\overline{C-N(H)-(CH_2)_2-N}-(CH_2)_3-O-C(O)-CH=CH_2$]}, 3
rate and equilibrium data for substitution reactions of diaqua(ethylenediamine)Pd(II) with chloride in aqueous solution, 87
Phosphine complexes
is $Rh(PMe_3)_3^+$ formed upon anion exchange of $Rh(PMe_3)_4^+Cl^-$?; crystal and molecular structure of $Rh(PMe_3)_4^+BPh_4^-$ and $Ir(PMe_3)_4^+PF_6^-$, 149
Phosphine oxide complexes
triphenylphosphineoxide and triphenylphosphinesulfide seven-coordinate complexes of Mo(II) and W(II), 119
Phosphine sulfide complexes
triphenylphosphineoxide and triphenylphosphinesulfide seven-coordinate complexes of Mo(II) and W(II), 119
Phthalocyanine complexes
preparation of bis(tetra-2,3-pyradinoporphyrazinato)Yb(III), 153
Platinum complexes
syntheses, characterization and reactions of some methyl derivatives of Pt(II), 223
Polydentate ligand complexes
complexing ability of new type of bis-amidato ligand; crystal structure of *N,N′*-bis(1-methyl-3-oxo-1-butenyl)oxamidato Cu(II) (CuL); spectroscopic and magnetic properties and redox behaviour of CuL and related Ni(II), Co(II) and Co(III) complexe, 33
crystal structure and magnetic properties of $[Ni(terpy)(N_3)_2]_2\cdot 2H_2O$, Ni(II) dinuclear complex with ferromagnetic interaction, 263
synthesis of aqua *trans*-diphosphine complex of Ru; crystal structure of *trans*-$[Ru(H_2O)(PEt_3)_2(trpy)](ClO_4)_2\cdot 3H_2O$, 197
synthesis and structure of tetradentate amido-phenolate Mn(III) complexes; precursors for high-valent Mn chelate complexes, 57
Polymer complex
$[Cu(C_{13}H_{30}P_2O_6)_2][Cu_2Cl_6]$; unusual chloro-bridged linear polymer, 27
Porphyrin complexes
conductivity of reduced metallo-tetra-*N*-methyl-2,3-pyridinoporphyrazine complexes, 161
molecular structure of chloro *meso*-tetra(3,4,5-trimethoxyphenyl)porphyrinato Fe(III) — model compound of cytochrome P-450 active site, 21
oxygenation and carbonylation studies of some Ru(III) Schiff base complexes containing nitrogen and oxygen as donor atoms, 175
proton NMR study of Co(II) and Zn(II) 'jellyfish' type porphyrins, 109
proximal charge effects on coordination of histamine by aquocyanocobinamide, 271

Rhodium complexes
is $Rh(PMe_3)_3^+$ formed upon anion exchange of $Rh(PMe_3)_4^+Cl^-$?; crystal and molecular structure of $Rh(PMe_3)_4^+BPh_4^-$ and $Ir(PMe_3)_4^+PF_6^-$, 149
Ruthenium complex
kinetics of oxidation reaction of arsenious acid by peroxodisulfate ion, induced by irradiation with visible light of aqueous solutions containing tris(2,2′-bipyridine)Ru(II) ion, 231
oxygenation and carbonylation studies of some Ru(III) Schiff base complexes containing nitrogen and oxygen as donor atoms, 175
preparation, characterization and electrochemical properties of mixed-ligand Ru(III) and Ru(II) complexes with two kinds of β-diketones, 41
synthesis of aqua *trans*-diphosphine complex of Ru; crystal structure of *trans*-$[Ru(H_2O)(PEt_3)_2(trpy)](ClO_4)_2\cdot 3H_2O$, 197
synthesis, spectroscopic and electrochemical properties and X-ray studies of bis(2,2′-bipyridyl(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole)-Ru(II) hexafluorphosphate, 77

Schiff base complexes
Ir(I) complexes with chiral terdentate NNN donor ligands; very effective and selective catalysts in hydrogen transfer reactions, 9
Structural model
ligand–ligand interaction model for structures of transition metal clusters, 185
Sulfur dioxide complexes
spectrophotometric detection of sulfur dioxide; study of solution equilibria of reaction of sulfur dioxide with Mn(II) complexes, 165

Thermochemistry
novel chelates of Pd(II) dithiocarbamates; spectroscopic studies and thermal behaviour, 67
Titanium complexes
tris(oxalato) Ti(II) complex; preparation and structure of K aquatrioxalatotitanate(III) tetrahydrate, 205
Transferrin complexes
Co(II) as probe of metal binding sites of transferrins, 137
Tungsten complexes
synthesis, structure, vibrational spectra and chemical properties of triangular Mo and W complexes $M_3(\mu\text{-}S)(\mu_2\text{-}SSe)_3X_6^{2-}$ (M = Mo, W; X = Cl, Br), 275
triphenylphosphineoxide and triphenylphosphinesulfide seven-coordinate complexes of Mo(II) and W(II), 119

Vanadium complexes
origin of high reactivity of alkylhydroperoxides in several V(V) compounds, 1

Ytterbium complexes
preparation of bis(tetra-2,3-pyradinoporphyrazinato)Yb(III), 153

Zinc complexes
proton NMR study of Co(II) and Zn(II) 'jellyfish' type porphyrins, 109
Zinc complexes
synthesis and structural study of dichloro di-2-benzothiazolylphenylmethanol Zn(II), 169